

Full Text

AN 1980:41660 CAPLUS

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TI Peptidic alkaloids. X. Approach for the synthesis of peptidic alkaloids.

1. Reactivity of N-tolylsulfonylaziridines towards reactive nucleophiles

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SO Tetrahedron (1978), 34(19), 2911-16  
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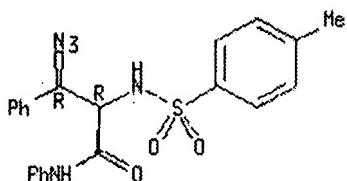
DT Journal  
 LA French

AB In order to realize the stereospecific introduction of a phenol ether function at the  $\beta$ -position of amino acids, present in peptidic alkaloids, the regiochem. of ring opening reactions of the aziridines I ( $R = H, Me, CHMe_2, Ph$ ), obtained from the corresponding  $RCH(OH)CH(NH_2)CO_2H$  by a reported procedure (Okawa, K., et al., 1972), within nucleophiles ( $Na^+$ ,  $p-MeC_6H_4ONa$ ,  $NH_3$ ,  $p-MeC_6H_4OH$ ) was examd. Only I ( $R = Ph$ ) was cleaved regioselectively in each case to give  $p-MeC_6H_4NHCHPhCHRCONHPh$  ( $R = N_3, OC_6H_4Me-p$ ). The results are discussed in terms of electronic and steric factors.

IT 70275-44-4P 70275-50-2P 70275-53-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 70275-44-4 CAPLUS  
 CN Benzenepropanamide,  $\beta$ -azido- $\alpha$ -[(4-methylphenyl)sulfonyl]amino-N-phenyl-, ( $R^*, R^*$ )- (9CI) (CA INDEX NAME)

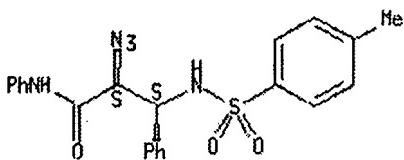
Relative stereochemistry.



RN 70275-50-2 CAPLUS

CN Benzenepropanamide,  $\alpha$ -azido- $\beta$ -[(4-methylphenyl)sulfonyl]amino-N-phenyl-, ( $R^*, R^*$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 70275-53-5 CAPLUS

CN Benzenepropanamide,  $\alpha$ -(4-methylphenoxy)- $\beta$ -[(4-methylphenyl)sulfonyl]amino-N-phenyl-, ( $R^*, R^*$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.

